

RECEIVED 001/010  
CENTRAL FAX CENTER

APR 02 2004



OFFICIAL

901 California Avenue Palo Alto, CA 94304-1104 Main: 650 • 496-6400 FAX: 650 • 496-1200

**FAX TRANSMITTAL SHEET**NO. OF PAGES (including this page): 11

TO: Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attn: Examiner J. L. Andres  
Art Unit: 1646  
FAX: (703) 872-9306

FROM: Sheela Mohan-Peterson  
DATE: April 1, 2004

RE: Docket No.: DX01073K  
USSN: 09/775,046  
Filed: February 1, 2001  
Title: Mammalian Cytokines; Receptors; Related Reagents and Methods

**Any difficulty with this facsimile, please call: Melanie Lyons at (650) 496-1183**

## Documents attached:

- Transmittal (1 page)
- Fee Transmittal (in duplicate) (2 pages)
- Amendment and Response (5 pages)
- Request for an Extension of Time (1 page)
- Notice of Appeal (1 page)

I hereby certify that this correspondence is being transmitted by facsimile to the U.S. Patent and Trademark Office, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Fax Number (703) 872-9306, Attention: Examiner Janet L. Andres; Art Unit 1646, on April 1, 2004.

  
Melanie Lyons

CONFIDENTIALITY NOTE: This sheet and/or the document(s) accompanying it contain information belonging to DNAX which is confidential and/or legally privileged. The information is intended only for the use of the person or entity named above. If you have received this fax in error, please immediately notify us by telephone or return Fax.

PTO/SB/21 (03-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

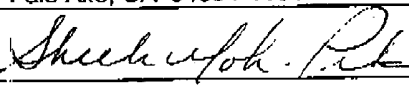
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/775,046
		Filing Date	02/01/2001
		First Named Inventor	Johannes Eduard Maria Antonius Debets
		Art Unit	1646
		Examiner Name	Janet L. Andres
Total Number of Pages In This Submission	11	Attorney Docket Number	DX01073K

**ENCLOSURES** (Check all that apply)


<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Remarks/Enclosures:</b> 1. Fax Transmittal Sheet		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual	Sheela Mohan-Peterson, Reg. No. 41,201 DNAX Research, Inc. 901 California Ave. Palo Alto, CA 94304-1104
Signature	
Date	01-Apr-2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below:

Typed or printed	MELANIE LYONS		
Signature		Date	April 1, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. Department of Commerce

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**FEE TRANSMITTAL**  
**for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT****(\$ 1,250.00**

Complete if Known	
Application Number	09/775,046
Filing Date	February 1, 2001
First Named Inventor	Johannes Eduard Maria Antonius Debets
Examiner Name	Janet L. Andres
Art Unit	1646
Attorney Docket No.	DX01073K

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																													
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: <u>04-1239</u> Deposit Account Name: <u>DNAX Research, Inc.</u> The Commissioner is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.		<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051 130</td><td>2051 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052 50</td><td>2052 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053 130</td><td>1053 130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812 2,520</td><td>1812 2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804 920*</td><td>1804 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805 1,840*</td><td>1805 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251 110</td><td>2251 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252 410</td><td>2252 205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253 930</td><td>2253 465</td><td>Extension for reply within third month</td><td>930</td></tr> <tr><td>1254 1,450</td><td>2254 725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255 1,970</td><td>2255 985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401 320</td><td>2401 160</td><td>Notice of Appeal</td><td>320</td></tr> <tr><td>1402 320</td><td>2402 160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403 280</td><td>2403 140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451 1,510</td><td>1451 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452 110</td><td>2452 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453 1,300</td><td>2453 650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501 1,300</td><td>2501 650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502 470</td><td>2502 235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503 630</td><td>2503 315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460 130</td><td>1460 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807 50</td><td>1807 50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806 180</td><td>1806 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021 40</td><td>8021 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809 750</td><td>2809 375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810 750</td><td>2810 375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801 750</td><td>2801 375</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802 900</td><td>1802 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="2">SUBTOTAL (1) \$ 0</td> <td colspan="2">SUBTOTAL (3) \$ 1250</td> </tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1051 130	2051 65	Surcharge - late filing fee or oath		1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 410	2252 205	Extension for reply within second month		1253 930	2253 465	Extension for reply within third month	930	1254 1,450	2254 725	Extension for reply within fourth month		1255 1,970	2255 985	Extension for reply within fifth month		1401 320	2401 160	Notice of Appeal	320	1402 320	2402 160	Filing a brief in support of an appeal		1403 280	2403 140	Request for oral hearing		1451 1,510	1451 1,510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive - unavoidable		1453 1,300	2453 650	Petition to revive - unintentional		1501 1,300	2501 650	Utility issue fee (or reissue)		1502 470	2502 235	Design issue fee		1503 630	2503 315	Plant issue fee		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Processing fee under 37 CFR 1.17(q)		1806 180	1806 180	Submission of Information Disclosure Stmt		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))		1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))		1801 750	2801 375	Request for Continued Examination (RCE)		1802 900	1802 900	Request for expedited examination of a design application		Other fee (specify) _____				SUBTOTAL (1) \$ 0		SUBTOTAL (3) \$ 1250	
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																												
1051 130	2051 65	Surcharge - late filing fee or oath																																																																																																																													
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																													
1053 130	1053 130	Non-English specification																																																																																																																													
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																													
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action																																																																																																																													
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action																																																																																																																													
1251 110	2251 55	Extension for reply within first month																																																																																																																													
1252 410	2252 205	Extension for reply within second month																																																																																																																													
1253 930	2253 465	Extension for reply within third month	930																																																																																																																												
1254 1,450	2254 725	Extension for reply within fourth month																																																																																																																													
1255 1,970	2255 985	Extension for reply within fifth month																																																																																																																													
1401 320	2401 160	Notice of Appeal	320																																																																																																																												
1402 320	2402 160	Filing a brief in support of an appeal																																																																																																																													
1403 280	2403 140	Request for oral hearing																																																																																																																													
1451 1,510	1451 1,510	Petition to institute a public use proceeding																																																																																																																													
1452 110	2452 55	Petition to revive - unavoidable																																																																																																																													
1453 1,300	2453 650	Petition to revive - unintentional																																																																																																																													
1501 1,300	2501 650	Utility issue fee (or reissue)																																																																																																																													
1502 470	2502 235	Design issue fee																																																																																																																													
1503 630	2503 315	Plant issue fee																																																																																																																													
1460 130	1460 130	Petitions to the Commissioner																																																																																																																													
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)																																																																																																																													
1806 180	1806 180	Submission of Information Disclosure Stmt																																																																																																																													
8021 40	8021 40	Recording each patent assignment per property (times number of properties)																																																																																																																													
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																													
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																													
1801 750	2801 375	Request for Continued Examination (RCE)																																																																																																																													
1802 900	1802 900	Request for expedited examination of a design application																																																																																																																													
Other fee (specify) _____																																																																																																																															
SUBTOTAL (1) \$ 0		SUBTOTAL (3) \$ 1250																																																																																																																													
<b>FEE CALCULATION</b> <b>1. BASIC FILING FEE</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001 750</td><td>2001 375</td><td>Utility filing fee</td><td>0</td></tr> <tr><td>1002 330</td><td>2002 165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003 520</td><td>2003 260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004 750</td><td>2004 375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005 160</td><td>2005 80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="4">SUBTOTAL (1) \$ 0</td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1001 750	2001 375	Utility filing fee	0	1002 330	2002 165	Design filing fee		1003 520	2003 260	Plant filing fee		1004 750	2004 375	Reissue filing fee		1005 160	2005 80	Provisional filing fee		SUBTOTAL (1) \$ 0				<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202 18</td><td>2202 9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201 84</td><td>2201 42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203 280</td><td>2203 140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204 84</td><td>2204 42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205 18</td><td>2205 9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="4">SUBTOTAL (2) \$ 0</td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1202 18	2202 9	Claims in excess of 20		1201 84	2201 42	Independent claims in excess of 3		1203 280	2203 140	Multiple dependent claim, if not paid		1204 84	2204 42	** Reissue independent claims over original patent		1205 18	2205 9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) \$ 0																																																																							
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																												
1001 750	2001 375	Utility filing fee	0																																																																																																																												
1002 330	2002 165	Design filing fee																																																																																																																													
1003 520	2003 260	Plant filing fee																																																																																																																													
1004 750	2004 375	Reissue filing fee																																																																																																																													
1005 160	2005 80	Provisional filing fee																																																																																																																													
SUBTOTAL (1) \$ 0																																																																																																																															
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																												
1202 18	2202 9	Claims in excess of 20																																																																																																																													
1201 84	2201 42	Independent claims in excess of 3																																																																																																																													
1203 280	2203 140	Multiple dependent claim, if not paid																																																																																																																													
1204 84	2204 42	** Reissue independent claims over original patent																																																																																																																													
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent																																																																																																																													
SUBTOTAL (2) \$ 0																																																																																																																															

\*\* or number previously paid, if greater; For Reissues, see above

\* Reduced by Basic Filing Fee Paid

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	Sheela Mohan-Peterson	Registration No.	41,201
Signature	<i>Sheela Mohan-Peterson</i>	Telephone	1-650-496-6400
		Date	01-Apr-2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Appl. No. 09/775,046  
Amdt. Dated April 1, 2004  
Reply to Office Action of October 14, 2003

Response under 37 C.F.R. §1.116  
Expedited Procedure  
Examining Group 1646

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED  
CENTRAL FAX CENTER

In re application of:

DEBETS, et al.

Application No.: 09/775,046

Filed: February 1, 2001

For: MAMMALIAN CYTOKINES;  
RECEPTORS; RELATED  
REAGENTS AND METHODS

Examiner: J. L. Andres

APR 01 2004

Art Unit: 1646

Conf. No.: 3164

**OFFICIAL**

I hereby certify that this correspondence is being transmitted by facsimile to the U.S. Patent and Trademark Office, Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Fax Number (703) 872-9306, Attention: Examiner J. L. Andres, Art Unit 1646, on April 1, 2004.

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

by:

  
MELANIE LYONSAMENDMENT AND RESPONSE

Honorable Sir:

In response to the Final Office action dated October 14, 2003, Applicants submit the following amendment and response. Also accompanying this response is a petition for a three-month extension of time and fee, thereby extending the time to respond from January 14, 2004 to April 14, 2004. A Notice of Appeal accompanies this response to maintain pendency of the present application. Reconsideration is respectfully requested.

Please amend the above-identified application as follows:

**Amendments to the claims** are reflected in the listing of the claims that begins on page 2 of this paper.

**Remarks** begin on page 4 of this paper.